

Claims

- 1) A plasmid, characterized in that it is derived from pBluescript KS(+) and contains more than 1 repetitive SK primer sequence element.
- 2) The plasmid according to claim 1, characterized in that it contains 2, 7, 14, 21 or 27 repetitive SK primer sequence elements.
- 3) The plasmid according to claim 1 or 2, characterized in that the primer sequence elements carry a marker complex.
- 4) The plasmid according to any of claims 1 to 3, characterized in that the SK primer sequence element comprises the following sequence:
- 5'-GATCCACTAGTTCTAGAGCG-3'.
- 5) The plasmid according to any of claims 1 to 4, characterized in that SK oligonucleotides can be bound thereto, which are modified at their ends by an element detectable under the electron microscope.
- 6) The plasmid according to claim 5, characterized in that the elements are selected from boron, silicon, iron or manganese.
- 7) Use of a plasmid according to any of claims 1 to 6 in analytical electron microscopy.
- 8) *E. coli* cells transformed with a plasmid according to any of claims 1 to 6.

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9) *E. coli* cells according to claim 8, characterized in that *E. coli* JM110 is concerned.

10) A test kit for use in electron microscopy, comprising at least the following components:

- competent *E. coli* JM110 bacterial cells for replication of a plasmid according to any of claims 1 to 5,
- single-stranded plasmids comprising 2x, 7x, 14x, 21x and 27x SK.

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